



REC 15-366

Knollwood Energy of MA LLC
P.O. Box 30
Chester, New Jersey 07930

NH-PUC 2SEP15AM11:50

August 30, 2015

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

Dear Ms Howland,

Enclosed please find the application for the Chris Tardiff system to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506 (including new requirements 2506.01 and PUC 2506.02)

Customer and Facility Information

Chris Tardiff
22 Radcliff Dr.
Milford, NH 03055
hydspec@comcast.net
603.424.8346

The Nepoch GIS ID # for this facility is: NON53218. Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion. An electronic version has been sent to executive.director@puc.nh.gov.

Please do not hesitate to contact me if you have any questions regarding this application.

Thank you for your consideration,

Linda Modica
New England REC Operations Manager
Knollwood Energy of MA LLC
973.879.7826
linda@knollwoodenergy.com

Enclosures (3)



State of New Hampshire Public Utilities Commission

21 S. Fruit Street, Suite 10, Concord, NH 03301-2429



DRAFT APPLICATION FORM FOR RENEWABLE ENERGY CERTIFICATE (REC) ELIGIBILITY FOR CLASS I AND CLASS II SOURCES WITH A CAPACITY OF 100 KILOWATTS OR LESS

Pursuant to New Hampshire Administrative Code [Puc 2500](#) Rules including Puc 2505.08, Certification of Certain Customer-Sited Sources

- Please submit one (1) original and two (2) paper copies of the completed application and cover letter* to:
Debra A. Howland, Executive Director, New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10, Concord, NH 03301-2429
- Send an electronic version of the completed application and the cover letter electronically to executive.director@puc.nh.gov.
- The cover letter must include complete contact information and identify the renewable energy class for which the applicant seeks eligibility. Pursuant to Puc 2505.01, the Commission is required to render a decision on an application within 45 days of receiving a completed application.

If you have any questions please contact Barbara Bernstein at (603) 271-6011 or Barbara.Bernstein@puc.nh.gov.

- Photovoltaic (PV) solar facilities are Class II resources. Contact Barbara.Bernstein@puc.nh.gov for assistance.

Eligibility Requested for: Class I Class II Check here if this facility part of an aggregation.

If the facility is part of an aggregation, please list the aggregator's name. Knollwood Energy of MA

- Provide the following information for the owner of the PV system.

Applicant Name Chris Tardiff Email hydspec@comcast.net

Address 22 Radcliff Drive City Milford State NH Zip 03055

Telephone 603.424.8346 Cell _____

- For business applicants, provide the facility name and contact information (if different than applicant contact information).

Facility Name _____ Primary Contact _____

Address _____ City _____ State _____ Zip _____

Telephone _____ Cell _____

Email address: _____

- Provide a complete list of the equipment used at the facility, including the revenue grade REC meter, and, if applicable, the inverter. Your facility will not qualify for RECs without a REC meter.

equipment	quantity	Type	equipment	quantity	Type
PV panels	42	SunEdison F270	other		
Inverter	42	Enphase M215	other		
meter	1	AEE Solar CL200 204V 3W	other		

- A copy of the interconnection agreement and the approval to operate your PV system from your electric utility must be included with your application.
- For PSNH customers, both the *Simplified Process Interconnection Application* and *Exhibit B - Certificate of Completion* are required.

What is the nameplate capacity of your facility (found on your interconnection agreement)? 9.03 AC

What was the initial date of operation (the date your utility approved the facility)? 6/24/15

- Provide the name, license number and contact information of the installer, or indicate that the equipment was installed directly by the customer.

Installer
 Name SunRay Solar, LLC Contact Michael Fay License # (if applicable) n/a

Address 124A Hall St. City Concord State: NH Zip 03301

Telephone 603.225.6001 email michael@spreadthesunshine.com

If the equipment was installed directly by the customer, please check here:

- Provide the name and contact information of the equipment vendor.

X Check here if the installer provided the equipment and proceed to the next question.

Business Name _____ Contact _____

Address _____ City _____ State _____ Zip _____

Telephone _____ email _____

- If an independent electrician was used, please provide the following information. (*Sunray corporate electrician*)

Electrician's Name Brian Pare License # 12245M

Business Name SunRay Solar, LLC Email brian@spreadthesunshine.com

Address 124A Hall St City Concord State NH Zip 03301

- **Provide the name of the independent monitor for this facility.** (A [list](http://www.puc.nh.gov/Sustainable%20Energy/Renewable_Energy_Source_Eligibility.htm) of approved independent monitors is available at http://www.puc.nh.gov/Sustainable%20Energy/Renewable_Energy_Source_Eligibility.htm.)

Independent Monitor's Name Paul Button, Energy Audits Unlimited

Is the facility certified under another state's renewable portfolio standard? yes no

If "yes", then provide proof of the certification as **Attachment C**.

- *Please note, if your facility is part of an aggregation, your aggregator should provide you with the following information.*
- **In order to qualify your facility's electrical production for Renewable Energy Certificates (RECs), you must register with the NEPOOL – GIS. Contact information for the GIS administrator follows:**

James Webb
Registry Administrator, APX Environmental Markets
224 Airport Parkway, Suite 600, San Jose, CA 95110
Office: 408.517.2174 jwebb@apx.com

If you are not part of an aggregation, Mr. Webb will assist you in obtaining a GIS facility code.

GIS Facility Code # NON53218 Asset ID # NON53218

- **Complete an affidavit by the applicant or qualified installer that the project is installed and operating in conformance with any applicable state/local building codes.** Use either the following affidavit form or provide a separate document.
- **The Commission requires a notarized affidavit as part of the application.**

AFFIDAVIT

The Undersigned applicant declares under penalty of perjury that the project is installed and operating in conformance with all applicable building codes. (SEE ATTACHED)

Applicant's Signature _____ Date _____

Applicant's Printed Name Linda Modica

Subscribed and sworn before me this _____ Day of _____ (month) in the year _____

County of _____ State of _____

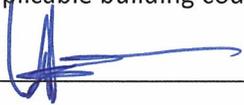
Notary Public/Justice of the Peace

My Commission Expires _____

- Complete an affidavit by the applicant or qualified installer that the project is installed and operating in conformance with any applicable state/local building codes. Use either the following affidavit form or provide a separate document.
- The Commission requires a notarized affidavit as part of the application.

AFFIDAVIT

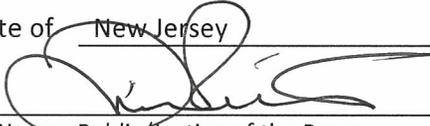
The Undersigned applicant declares under penalty of perjury that the project is installed and operating in conformance with all applicable building codes.

Applicant's Signature  Date 8/25/15

Applicant's Printed Name Linda Modica

Subscribed and sworn before me this 25 Day of August (month) in the year 2015

County of Morris State of New Jersey


Notary Public/Justice of the Peace

My Commission Expires _____

DULCE PINTO
Notary Public
State of New Jersey
My Commission Expires Jan. 21, 2019
I.D.# 2381704

- Complete the following checklist. If you have questions, contact barbara.bernstein@puc.nh.gov.

CHECK LIST: The following has been included to complete the application:	YES
• All contact information has been provided.	X
• A copy of the interconnection agreement. PSNH Customers should include both <i>the Interconnection Standards for Inverters Sized up to 100 KVA</i> and <i>Exhibit B – Certification of Completion for Simplified Process Interconnection</i> .	X
• Documentation of the distribution utility’s approval of the installation.*	X
• If the facility is participating in another state’s renewable portfolio standard (RPS) program, documentation of certification in other state’s RPS.	
• A signed and notarized attestation.	X
• A GIS number obtained from the GIS Administrator.	X
• The document has been printed and notarized.	X
• The original and 2 copies are included in the packet mailed to Debra Howland, Executive Director of the PUC.	X
• An electronic version of the completed application has been sent to executive.director@puc.nh.gov .	X
*Usually included in the interconnection agreement.	

- If the application has been prepared by someone other than the applicant, complete the following. If the application was prepared by the applicant, check here and skip this section.

PREPARER'S INFORMATION

Preparer's Name Linda Modica Email address: linda@knollwoodenergy.com

Address PO Box 30 City Chester State NJ Zip 07930

Telephone 908.879.7826 Cell _____

Preparer's Signature: 

RECEIVED

JUN 16 2015

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

SESD

Simplified Process Interconnection Application and Service Agreement

Eversource Application Project ID#: 113571

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)
Customer or Company Name (print): Chris Tardiff
Contact Person, if Company: _____
Mailing Address: 22 Radcliff Drive
City: Milford State: NH Zip Code: 03055
Telephone (Daytime): 603-424-8346 (Evening): _____
Facsimile Number: _____ E-Mail Address: ctardiff@nh-hydraulics.com

Alternative Contact Information (e.g., System installation contractor or coordinating company, if appropriate):

Name: SunRay Solar, LLC
Mailing Address: 124A HALL ST
City: Concord State: NH Zip Code: 03301
Telephone (Daytime): 603-225-6001 (Evening): _____
Facsimile Number: _____ E-Mail Address: Rick@SpreadTheSunshine.com

Electrical Contractor Contact Information (if appropriate):

Name: SunRay Solar, LLC
Mailing Address: 124A Hall St
City: Concord State: NH Zip Code: 03301
Telephone (Daytime): 603-225-6001 (Evening): _____
Facsimile Number: _____ E-Mail Address: Brian@SpreadTheSunshine.com

Facility Site Information:

Facility (Site) Address: 22 Radcliff Dr
City: Milford State: NH Zip Code: 03055

Electric
Service Company: Eversource Account Number: 568947314009 Meter Number: S71098302

Account and Meter Number: Please consult an actual Eversource electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the Eversource Work Request number.

Eversource Work Request # _____

Non-Default' Service Customers Only:

Competitive Electric
Energy Supply Company: _____ Account Number: _____
(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

SESD

Simplified Process Interconnection Application and Service Agreement

Facility Machine Information:

Generator/
Inverter Manufacturer: Enphase ✓ Model Name & Number: M215 ✓ Quantity: 42 ✓
Nameplate Rating: 215 ✓ (kW) (kVA): 240 (AC Volts) Phase: Single Three

Nameplate Rating: The AC Nameplate rating of the individual inverter.

System Design Capacity: 9.03 ✓ (kW) (kVA) Battery Backup: Yes No

System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes No

Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell Turbine Other _____

✓ Energy Source: Solar Wind Hydro Diesel Natural Gas Fuel Oil Other _____

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)

Yes No

✓ The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'

Yes No

✓ Location of External Manual Disconnect Switch: Outside next to meter

Project Estimated Install Date: June 2015 Project Estimated In-Service Date: June 2015

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: [Signature] Title: _____ Date: 6/15/15

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the Eversource meter socket. Applications without such a diagram may be returned.

For Eversource Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes No To be Determined

Company Signature: [Signature] Title: Sr. Engineer Date: 6/16/15

RECEIVED
JUN 26 2015

SESD

Eversource
Interconnection Standards For Inverters Sized Up To 100 kVA
Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information: Check if owner-installed
Customer or Company Name (print): Chris Tardiff
Contact Person, if Company: _____
Mailing Address: 22 Radcliff Drive
City: Milford State: NH Zip Code: 03055
Telephone (Daytime): 603-424-8346 (Evening): _____
Facsimile Number: _____ E-Mail Address: ctardiff@nh-hydraulics.com

Facility Information: → Eversource Meter # _____
Address of Facility (if different from above): _____
City: _____ State: _____ Zip Code: _____

Electrical Contractor Contact Information:
Electrical Contractor's Name (if appropriate): SunRay Splar, LLC
Mailing Address: 124A Hall St
City: Concord State: NH Zip Code: 03301
Telephone (Daytime): 603-225-6001 (Evening): _____
Facsimile Number: _____ E-Mail Address: Brian@SPreadTheSunshine.com
License number: 12245M
Date of approval to install Facility granted by the Company: 06-16-15
Eversource Application ID number: #N 3571

Inspection:
The system has been installed and inspected in compliance with the local Building/Electrical Code of:
City: MILFORD County: _____
Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):
Signature: _____
Name (printed): D. McALLISTER Date: 6/24/15

Customer Certification:
I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B – Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.
Please remember to provide digital photos of the installation, including the AC disconnect switch (if required), the existing Eversource meter, the inverters, and the point of electrical interconnection.
Customer Signature: Chris Tardiff

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource
Distributed Generation
780 North Commercial Street
P. O. Box 330, Manchester, NH 03105-0330
Fax No.: (603) 634-2924